## NOTES FOR TEMPORARY TRAFFIC SIGNALS

- 1. ALL CONTROL EQUIPMENT INCLUDING EMERGENCY PRE-EMPTION AND COMMUNICATION DEVICES FOR THE TEMPORARY TRAFFIC SIGNAL(S) SHALL BE FURNISHED BY THE CONTRACTOR, EVP WILL BE PAID FOR SEPARATELY.
- 2. ONLY CONTROLLERS SUPPLIED BY ONE OF THE DISTRICT APPROVED CLOSED LOOP EQUIPMENT MANUFACTURERS WILL BE APPROVED FOR USE AT TEMPORARY SIGNAL LOCATIONS, ALL CONTROLLERS USED FOR TEMPORARY TRAFFIC SIGNALS SHALL BE FULLY ACTUATED NEMA MICROPROCESSOR BASED WITH RS232 DATA ENTRY PORTS COMPATIBLE WITH EXISTING MONITORING SOFTWARE APPROVED BY IDOT DISTRICT 1, INSTALLED IN A NEMA TS1 OR TS2 CABINET. ONLY ONE BRAND OF CONTROLLER WILL BE ACCEPTED FOR ANY ONE CONTRACT.
- 3. ALL TRAFFIC SIGNAL SECTIONS AND PEDESTRIAN SIGNAL SECTIONS SHALL BE 12" (300mm). HEADS SHALL BE PLACED AS INDICATED ON THE TEMPORARY TRAFFIC SIGNAL PLAN OR AS DIRECTED BY THE ENGINEER, THE CONTRACTOR SHALL FURNISH ENOUGH CABLE SLACK TO RELOCATE HEADS TO ANY POSITION ON THE SPAN WIRE OR AT LOCATIONS ILLUSTRATED ON THE PLANS FOR CONSTRUCTION STAGING. THE TEMP--ORARY TRAFFIC SIGNAL SHALL REMAIN IN OPERATION DURING ALL SIGNAL HEAD RELOCATIONS. EACH TEMPORARY TRAFFIC SIGNAL HEAD SHALL HAVE ITS OWN CABLE FROM THE CONTROLLER CABINET TO THE SIGNAL HEAD.
- 4. ALL EXISTING STREET NAME AND INTERSECTION REGULATROY SIGNS SHALL BE RE-MOVED FROM EXISTING POLES. RELOCATED AND SECURELY FASTENED TO THE SIGNAL SPAN WIRE OR WOOD POLE AS DIRECTED BY THE ENGINEER.
- 5. ANY TEMPORARY SIGNAL WITHIN AN EXISTING CLOSED LOOP TRAFFIC SIGNAL SYSTEM SHALL BE INTERCONNECTED TO THAT SYSTEM USING SIMILAR BRAND CONTROL EQUIPMENT.
- 6. THE TEMPORARY TRAFFIC SIGNAL SHALL HAVE THE SIGNAL HEAD DISPLAYS. SIGNAL HEAD PLACEMENTS AND CONTROLLER PHASING MATCH THE EXISTING TRAFFIC SIGNAL. AT THE TIME OF THE TURN ON, IF NO TRAFFIC STAGING IS IN PLACE OR WILL NOT BE STAGED ON THE DAY OF THE TURN ON.

TOTAL

WATTAGE

51.0

37.5

22.5

100.0

7. 24" WHITE STOP BAR TO BE INSTALLED AFTER THE INSTALLATION AND IMPLEMENTATION OF THE TEMPORARY TRAFFIC SIGNALS

TRAFFIC SIGNAL INSTALLATION ELECTRICAL SERVICE REQUIREMENTS

TYPE

(YELLOW) (GREEN)

ENERGY COSTS - BILLED TO: I.D.O.T.

ENERGY SUPPLY - CONTACT:

(ADDRESS)

COMPANY:

SIGNAL (RED)

PED. SIGNAL

CONTROLLER

ILLUM. SIGN

FLASHER

FILE NAME :\project

ARROW

WATTAGE

INCAND. LED

135 15

100 100

25

12

25

135

135

135

90

X% OPERATION

0.50

0.25

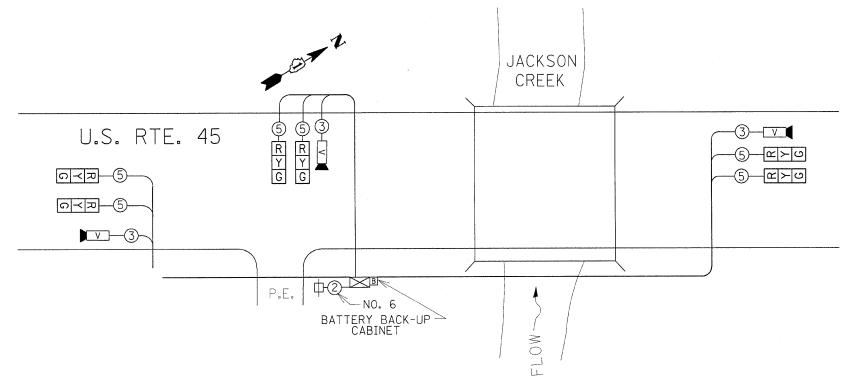
0.25

0.10

1.00

1.00

0.05



J.L.I.E.

0-892-0

	SUMMARY OF QUANTITIES		
ITEM	DESCRIPTION	UNIT	QUANTITY
X8900005	TEMPORARY BRIDGE TRAFFIC SIGNAL INSTALLATION	EACH	1

## TEMPORARY CABLE DIAGRAM LEGEND

- TEMPORARY TRAFFIC SIGNAL SECTION OR PEDESTRIAN SIGNAL SECTION 12" (300 mm)
- TEMPORARY CONTROLLER CABINET
- TEMPORARY SERVICE INSTALLATION
- INDICATES NUMBER OF CONDUCTORS IN CABLE. ALL CONDUCTORS TO BE NUMBER 14 AWG WIRE UNLESS OTHERWISE NOTED.
- EMERGENCY VEHICLE LIGHT DETECTOR
- CONFIRMATION BEACON
- PEDESTRIAN PUSHBUTTON DETECTOR
- VEHICLE DETECTOR, INDUCTION LOOP

12" (300mm) PEDESTRIAN SIGNAL SECTION

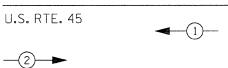
MICROWAVE VEHICLE SENSOR

VIDEO DETECTOR SENSOR

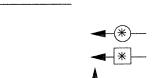
CLOSED CIRCUT TV BB BATTERY - BACK UP

T TELEPHONE CONNECTION

CONTRO	ller s	EQUENCE







SERVICE TO GROUND POST MOUNTED

DUAL ENTRY PHASE PROTECTED LEFT TURN PHASE

NUMBER REFERS TO

ASSOCIATED PHASE

(FT<sub>\*</sub>) (m)

3.5 (1.0)

(6m+L-0.6m)=

13 (4.0) 4 (1.2)

13.5 (4.1) 6 (1.8)

LEGEND

OVERLAP →--(\*)-PEDESTRIAN PHASE

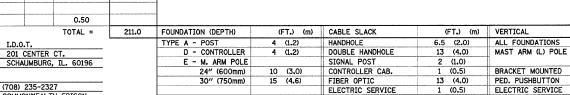


1 (0.5)

PHASE DESIGNATION

P.E.

GROUND CABLE



E =	USER NAME = nguyensm	DESIGNED -	REVISED -	
ots\p135202\tr <b>a</b> ffic.dgn		DRAWN -	REVISED ~	STATE OF ILLINOIS
	PLOT SCALE = 20.0000 '/ IN.	CHECKED -	REVISED -	DEPARTMENT OF TRANSPORTATION
	PLOT DATE = 10/5/2007	DATE -	REVISED -	

TEMPORARY CABLE PLAN & TEMPORARY PHASE DESIGNATION DIAGRAM								SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	U.S. ROL	ITE 45	OVER	JACKSON	CREEK		330	104B-3-BR	CONTRACT	42 No. 60	14
SCALE:	SCALE: SHEET NO. OF SHEETS STA. TO STA.						FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				